

Peer-Reviewed Publications

Kalina, E. A., K. Friedrich, B. C. Motta, W. Deierling, G. T. Stano, and N. N. Rydell, 2016: Colorado plowable hailstorms: Synoptic weather, radar, and lightning characteristics. *Wea. Forecasting*, **31**, 663–693.

Friedrich, K., **E. A. Kalina**, J. Aikins, D. Gochis, P. Kucera, K. Ikeda, and M. Steiner, 2016: Raindrop size distribution and rain characteristics during the 2013 Great Colorado Flood. *J. Hydrometeor.*, **17**, 53–72.

Friedrich, K., **E. A. Kalina**, J. Aikins, D. Gochis, and R. Rasmussen, 2016: Precipitation and cloud structures of intense rain during the 2013 Great Colorado Flood. *J. Hydrometeor.*, **17**, 27–52.

Kalina, E. A., K. Friedrich, H. Morrison, and G. H. Bryan, 2014: Aerosol effects on idealized supercell thunderstorms in different environments. *J. Atmos. Sci.*, **71**, 4558–4580.

Kalina, E. A., K. Friedrich, S. M. Ellis, and D. W. Burgess, 2014: Comparison of disdrometer and X-band mobile radar observations in convective precipitation. *Mon. Wea. Rev.*, **142**, 2414–2435.

Cione, J. J., **E. A. Kalina**, J. A. Zhang, and Eric W. Uhlhorn, 2013: Observations of air-sea interaction and intensity change in hurricanes. *Mon. Wea. Rev.*, **141**, 2368–2382.

Friedrich, K., **E. A. Kalina**, F. J. Masters, and C. R. Lopez, 2013: Drop-size distributions in thunderstorms measured by optical disdrometers during VORTEX2. *Mon. Wea. Rev.*, **141**, 1182–1203.

Geerts, B., B. Pokharel, K. Friedrich, D. Breed, R. Rasmussen, Y. Yang, Q. Miao, S. Haimov, B. Boe, and **E. Kalina**, 2013: The AgI Seeding Cloud Impact Investigation (ASCII) campaign 2012: Overview and preliminary results. *J. Wea. Mod.*, **45**, 24–43.

Friedrich, K., J. K. Lundquist, M. Aitken, **E. A. Kalina**, and R. F. Marshall, 2012: Stability and turbulence in the atmospheric boundary layer: A comparison of remote sensing and tower observations. *Geophys. Res. Lett.*, **39**, doi:10.1029/2011GL050413.

Publications in Review

Cione, J. J., **E. A. Kalina**, E. W. Uhlhorn, A. M. Farber, and B. Damiano, 2016: Coyote Unmanned Aircraft System observations in Hurricane Edouard (2014). *Earth Space Sci.*, in review.

Publications in Preparation

Kalina, E. A., S. Y. Matrosov, J. J. Cione, F. D. Marks, J. Vivekanandan, R. A. Black, J. C. Hubbert, M. M. Bell, D. E. Kingsmill, and A. B. White, 2017: The ice water paths of small and large ice species in Hurricanes Arthur (2014) and Irene (2011). *J. Appl. Meteor. Climatol.*, in preparation.

Kalina, E. A., J. J. Cione, G. H. Bryan, D. H. Lenschow, and C. W. Fairall, 2017: Power spectra and eddy dissipation rate measured by the Coyote Unmanned Aircraft System in Hurricane Edouard (2014). *Geophys. Res. Lett.*, in preparation.

Uhlhorn, E. W., J. J. Cione, R. F. Rogers, J. Dunion, J. Zhang, B. Jaimes, L. K. Shay, and **E. A. Kalina**, 2016: Novel Observations in Hurricane Edouard of 2014. *Bull. Amer. Meteor. Soc.*, in preparation.

Zhang, J. A., J. J. Cione, **E. A. Kalina**, T. Hock, and J. A. Smith, 2017: Novel measurements of sea surface temperature in tropical cyclones obtained from GPS dropsonde. *J. Atmos. Oceanic Technol.*, in preparation.

Conference Extended Abstracts

Kalina, E. A., K. Friedrich, H. Morrison, and G. H. Bryan, 2014: Aerosol effects on simulated supercell thunderstorms in environments with different relative humidity and vertical wind shear. *14th Conf. on Cloud Physics*, Boston, MA, Amer. Meteor. Soc., 292.

Kaplan, J., and **Coauthors**, 2010: Enhancements to the operational SHIPS rapid intensification index. *29th Conf. on Hurricanes and Tropical Meteor.*, Tucson, AZ, Amer. Meteor. Soc., 9C.4.